



161st AWRBIAC MEETING and WATER SYMPOSIUM *"Sustainable Water: Essential for Life"*

April 17-20, 2012
Austin, Texas

CALL FOR PRESENTATIONS **(Meeting Announcement)**

The Arkansas-White-Red Basins Inter-Agency Committee (AWRBIAC) is proud to sponsor a Water Symposium entitled *"Sustainable Water: Essential for Life"* in conjunction with the 161st meeting being held in Austin, Texas. The water symposium will focus on recent drought and flooding impacts affecting water and biological resources in AWRBIAC states and surrounding areas.

The symposium includes plenary and panel presentation sessions addressing the challenges engineers, planners, environmental scientists, researchers, and government agencies face during atypical climatic conditions. Both private and public sector professionals will benefit from participation in this unique type of forum. Abstract submittal criteria, hotel information, and agenda format for the Water Symposium are included in this announcement.

Registration fee is \$75 before March 15th. Registration fee after March 15th or on-site will be \$100. The registration fee will be discounted to \$50 per person for four or more attendees from the same organization.

Abstracts must be submitted by March 15, 2012.



ABSTRACT SUBMITTAL

161st AWRBIAC MEETING and WATER SYMPOSIUM

Abstracts will be accepted for presentations related to one of the themes listed below. Other topic presentations will be considered on a case-by-case basis by the symposium program committee.

THEME #1- *Impacts of Recent Climatic Conditions on Interstate Compacts*

Examples: Red, Rio Grande, and Colorado Rivers, local river authorities

THEME #2- *Use of Forecasting Tools in Water Resources Management*

Examples: NWS, forecasting tools, state climatology, etc.

THEME #3- *Emergency Responses and Readiness Planning for Climatic Change*

Examples: Local or State Drought and Flood Contingency Planning, etc.

THEME #4- *Human Health and Water Sustainability for the Future*

Example: Municipal, regional, and statewide water and wastewater strategies to address extreme climatic conditions, discharge limitations, water quality standards, water supply, etc.

THEME #5- *Climatic Impacts on Biological and Aquatic Resources*

Example: environmental flow, threatened and endangered species, marshes, wetlands, ecosystems, etc.

- Abstracts should be 330 words or less and include: 1) NAME of author or presenter(s), 2) Presenter's official job title, 3) Name of organization being represented, 4) Title of presentation, and 5) Length of presentation i.e. 20, 25, 30 minutes.
- All presenters must register as an attendee unless otherwise notified.

Please submit abstracts by March 15, 2012 and RSVP attendance to:
john.turner@arkansas.gov 501-682-1608.



RESERVATIONS and MEETING LOGISTICS

161st AWRBIAC MEETING and WATER SYMPOSIUM

Meeting Dates

AWRBIAC Meeting	April 17, 2012	1:30pm-5:00pm
Water Symposium	April 18-19, 2012	8:30am-4:30pm
Water Symposium(*)	April 20, 2012	8:30am-11:30am

(*) *extended presentation session if needed*

Hotel Information

The 161st AWRBIAC meeting and Water Symposium will be held at the Hilton Garden Inn in downtown Austin, Texas. A block of rooms has been reserved for this event. Please notify the hotel when making your reservations that you are attending the AWRBIAC meeting. You must make your hotel reservation by **March 15th** in order to receive the AWRBIAC group rate.

Hilton Garden Inn Austin Downtown
500 North Interstate Highway 35
Austin, Texas, USA 78701
Telephone: 512-480-8181, Fax: 512-457-7990

Registration

The early registration rate of \$75⁰⁰ will be available until **March 15th**. Registration after March 15th and on-site will be \$100⁰⁰. Four or more attendees from the same organization are eligible for a group rate of \$50⁰⁰ per person. Provide a single payment for multiple attendees from the same agency to receive the group rate discount. Please RSVP your attendance to john.turner@arkansas.gov as soon as possible, as space is limited. Registration fees should be mailed to:

Elizabeth Beat, AWRBIAC Treasurer
US Army Corps of Engineers
Southwestern Division, CESWD-PDP (E. Beat)
1100 Commerce St., Suite 831
Dallas, TX 75242-1317



AGENDA FORMAT

161st AWRBIAC MEETING and WATER SYMPOSIUM

AWRBIAC Meeting **Tuesday - April 17, 2012**

1:30pm – 4:45pm AWRBIAC Meeting
5:30pm – 7:00pm DINNER (local Restaurant(s) to be announced)

Water Symposium **Wednesday - April 18 2012**

7:30am – 8:15am On-Site Registration
8:15am – 8:30am SYMPOSIUM OPENING
8:30am – 9:00am KEYNOTE SPEAKER - Texas Governor Rick Perry (invited)

SESSION THEME **Emergency Response and Readiness Planning for Climatic Change**

9:00am – 11:30am **Presentation Slots Available**
1:00pm – 7:45pm Lake Travis Field Trip (Express lunch provided) and Dinner at the Oasis on Lake Travis

Water Symposium **Thursday - April 19, 2012**

SESSION THEME **Use of Forecasting Tools in Water Resources Management**

8:30am – 10:30am **Presentation Slot Available**

SESSION THEME **Impacts of Recent Climatic Conditions on Interstate Compacts**

10:45am – 12:15pm **Presentation Slots Available**
12:15pm – 1:30am LUNCH (on your own)

SESSION THEME **Climatic Impacts on Biological and Aquatic Resources**

1:30pm – 3:00pm **Presentation Slots Available**

SESSION THEME **Human Health and Water Sustainability for the Future**

3:15pm – 4:45pm **Presentation Slots Available**
4:45pm – 5:00pm Closing Comments (if the extended presentation time is not needed on Friday)

Water Symposium **Friday - April 20, 2012**

8:30 am – 11:30 am Additional presentation time if needed.

Current Speakers and Abstracts

John W. Nielsen-Gammon Department of Atmospheric Sciences, Texas A&M University, and Texas State Climatologist

“No Longer Condemned to Repeat the Past: Water Planning in a Changing Climate”

Local and regional climate (which includes means and extremes) has changed and will continue to change for a variety of reasons. However, traditional water planning and allocation agreements assume that measured conditions over a fixed period of time are a viable indication of future conditions, and traditional ecological preservation efforts often seek to restore conditions that were present in a past climate rather than what might have been under current and future climatic conditions. A variety of approaches are available to address this issue, ranging from incorporation of uncertainty to scenario-based planning to utilization of long-range and very-long-range forecasts. This talk will discuss the current status of climate prediction and the extent to which it provides useful information for long-term water planning.

Michael Irlbeck Director of Business Development, Abengoa Water, Austin Texas

“The Role of Desalination”

During the 1950's, an intense and prolonged drought event in the southwestern United States stressed water supply systems to the brink. In Texas, the response was unprecedented. The Texas Water Development Board was formed in 1957 to plan and develop a new generation of water supply infrastructure. In a single generation from 1950 to 1975, almost two-thirds of Texas' current reservoir storage capacity was constructed. Nationally, the Federal government, through a newly created agency called the Office of Saline Water, began a 30-year program to develop desalination technologies to treat previously unused water supply resources. Today's new drought of record in Texas is once again exposing weaknesses in our water supply system, requiring the state to embrace a new vision to meet the needs of the next century.

Tim H. Raines, P.E., CFM Acting Data Chief and North Texas Program Office Chief, U.S. Geological Survey, Fort Worth, TX

“Droughts and Floods, the USGS Streamgaging Network”

How the USGS streamgaging network is operated during extreme weather conditions. Floods and droughts are nothing new to Texas but they do garner increased attention with their increased severity. The USGS in Texas operates and maintains over 600 streamflow and reservoir stations that provide near real-time data for the various local, state, and federal agencies, river authorities and water districts to manage the water resources. This talk will focus on the continuing challenge to fund stations as well as describe the efforts required during these recent droughts and floods to keep the gages collecting and transmitting accurate data for use by our cooperators and the public.

Mark Lenz – Austin/San Antonio Weather Forecast Office

“La Nina . . . Droughts and Floods . . . What's Next?”

Stephanie Moffett Federal Emergency Management Agency (FEMA)

“Presentation Title to be Announced”